

FIG. 1

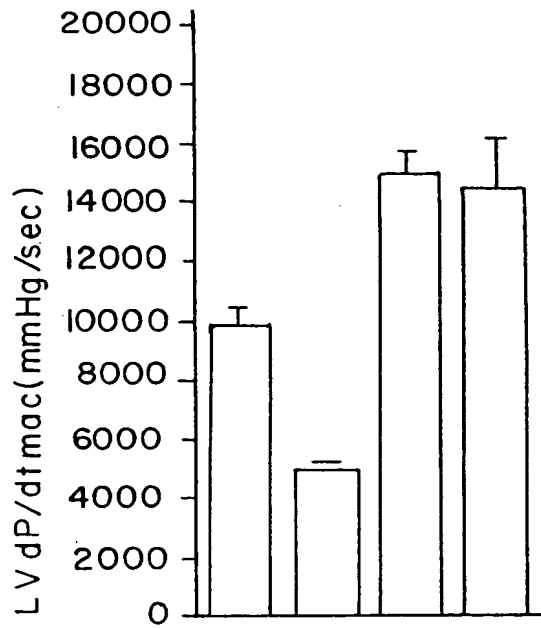


FIG. 2a

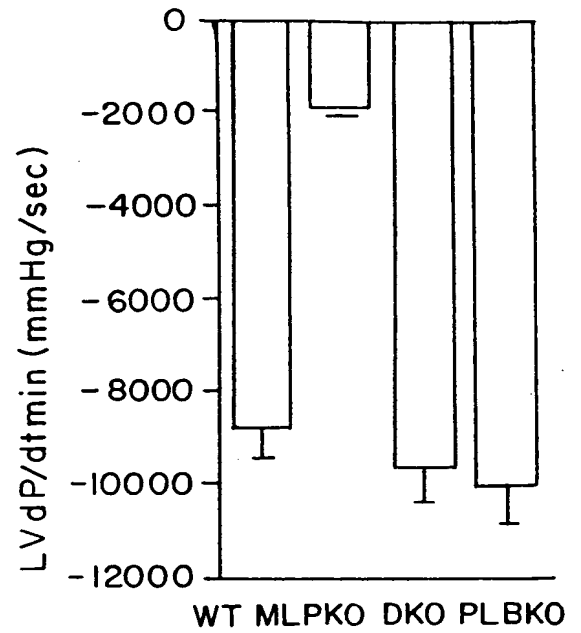


FIG. 2b

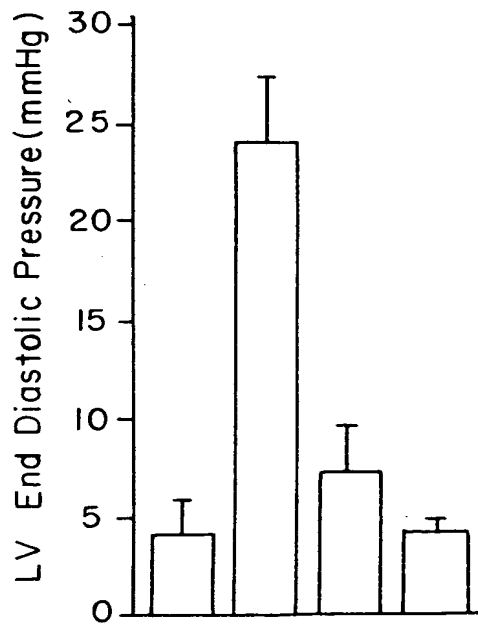


FIG. 2c

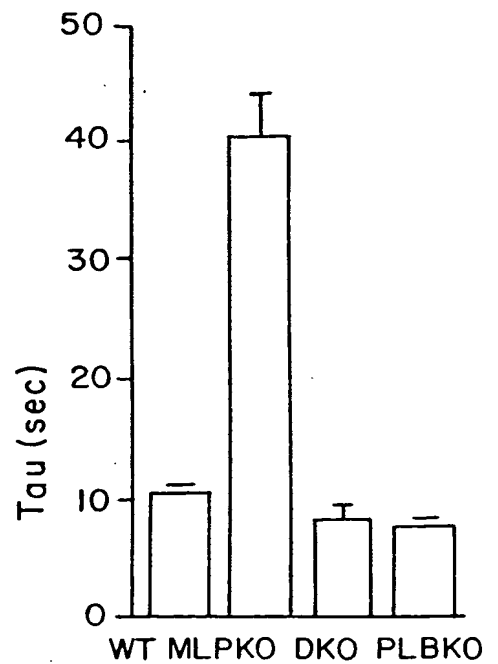


FIG. 2d

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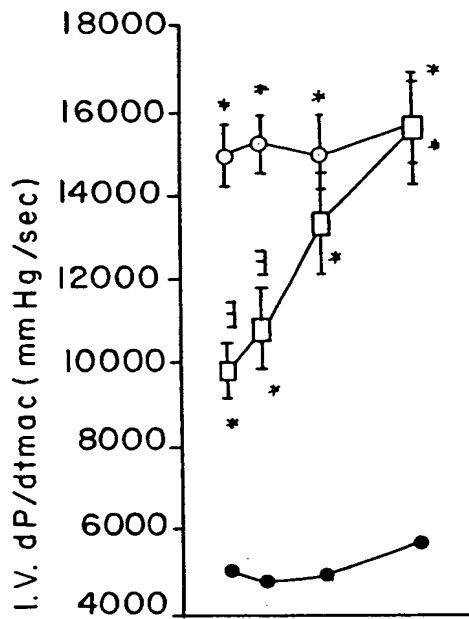


FIG. 2e

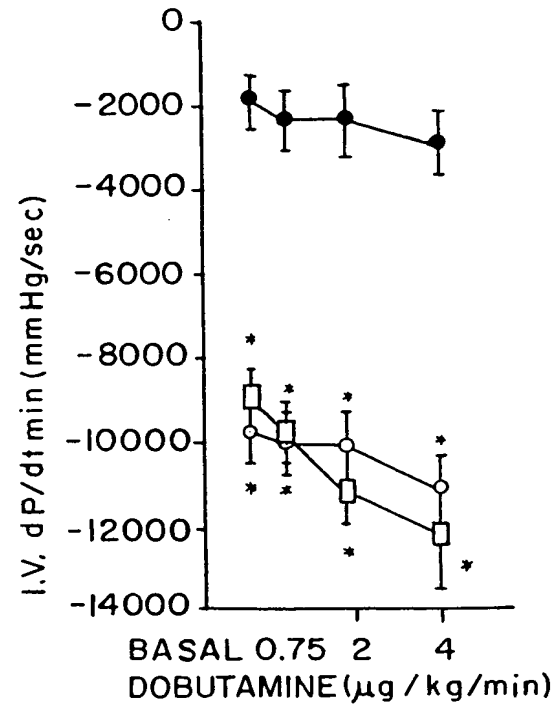


FIG. 2f

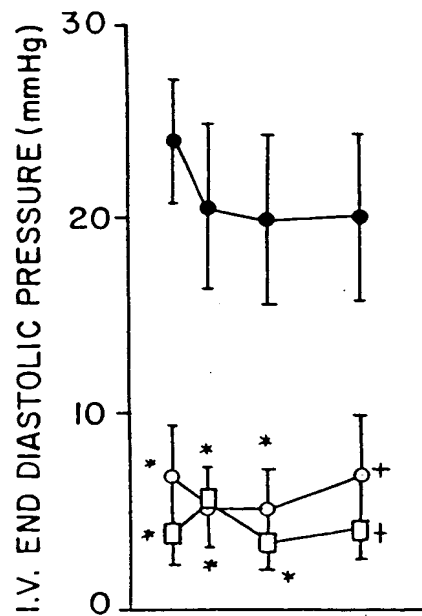


FIG. 2g

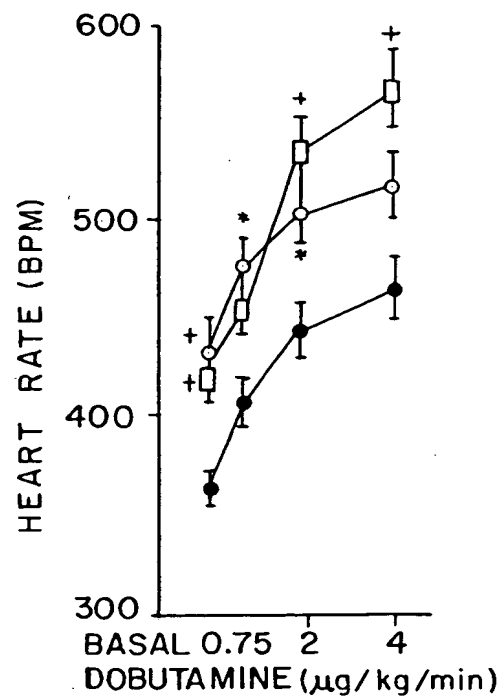


FIG. 2h

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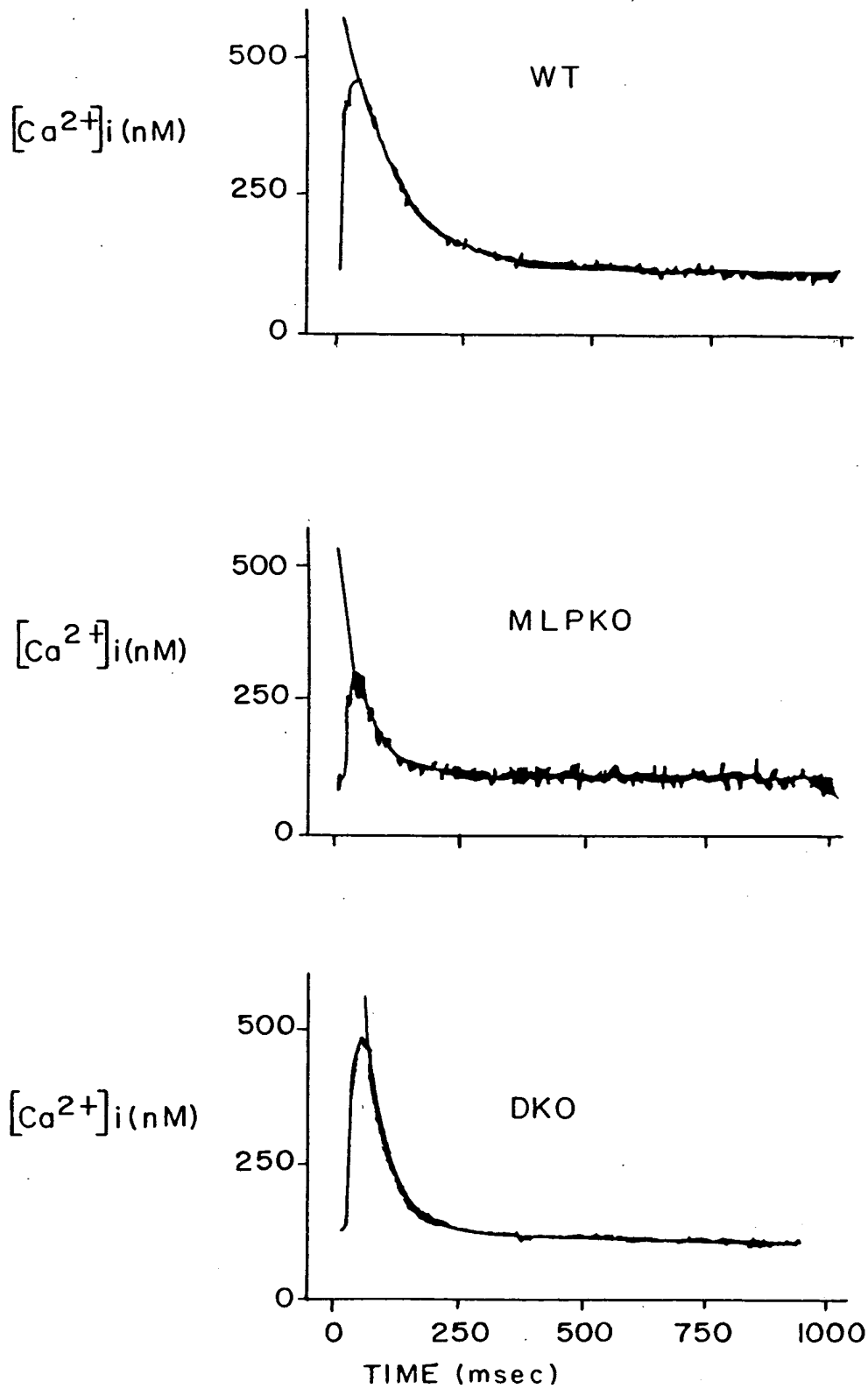


FIG. 3a

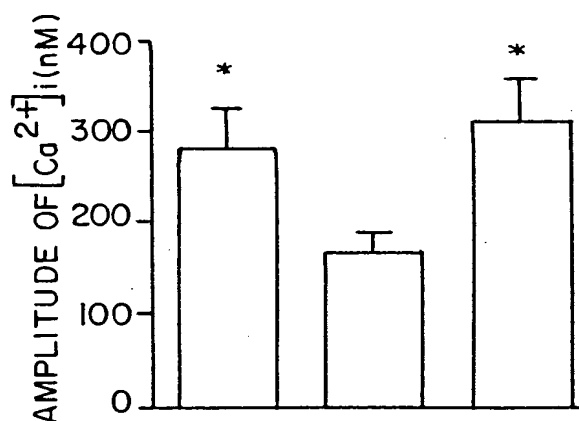


FIG. 3b

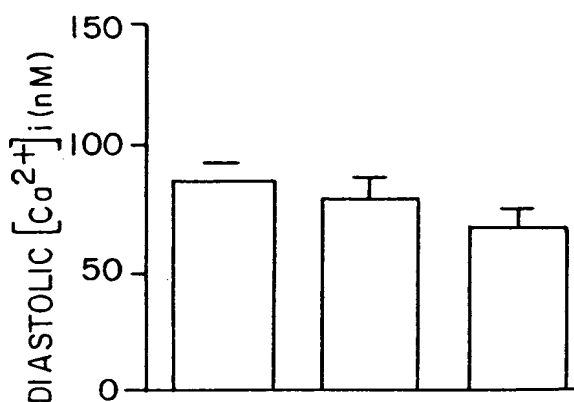


FIG. 3c

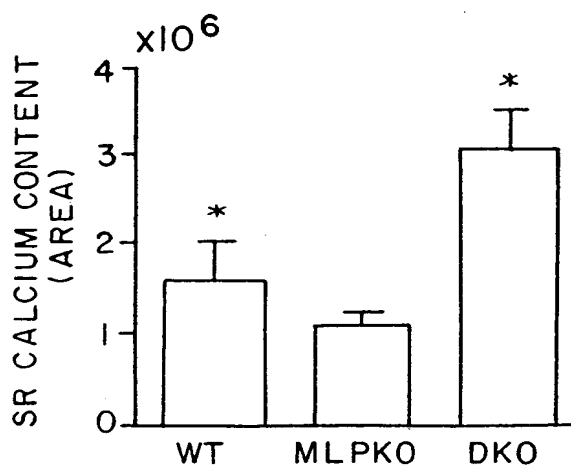


FIG. 3d

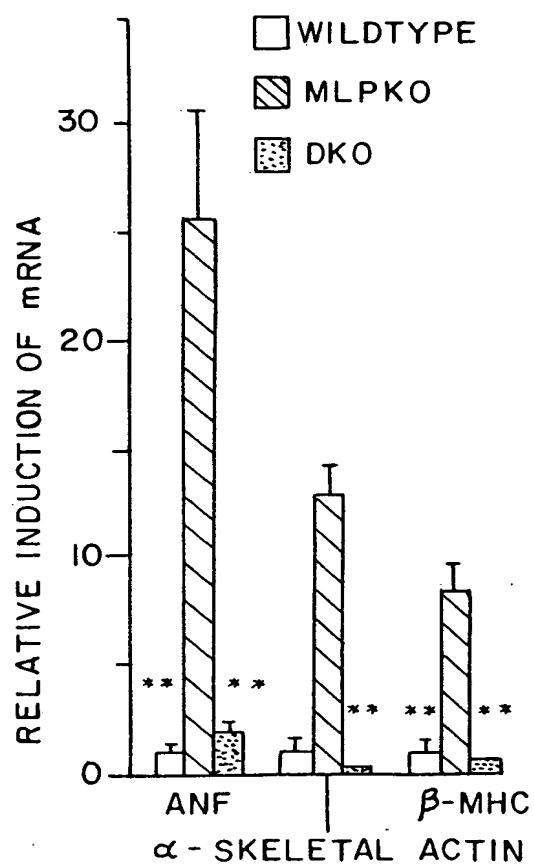


FIG. 4b

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FIG. 3e

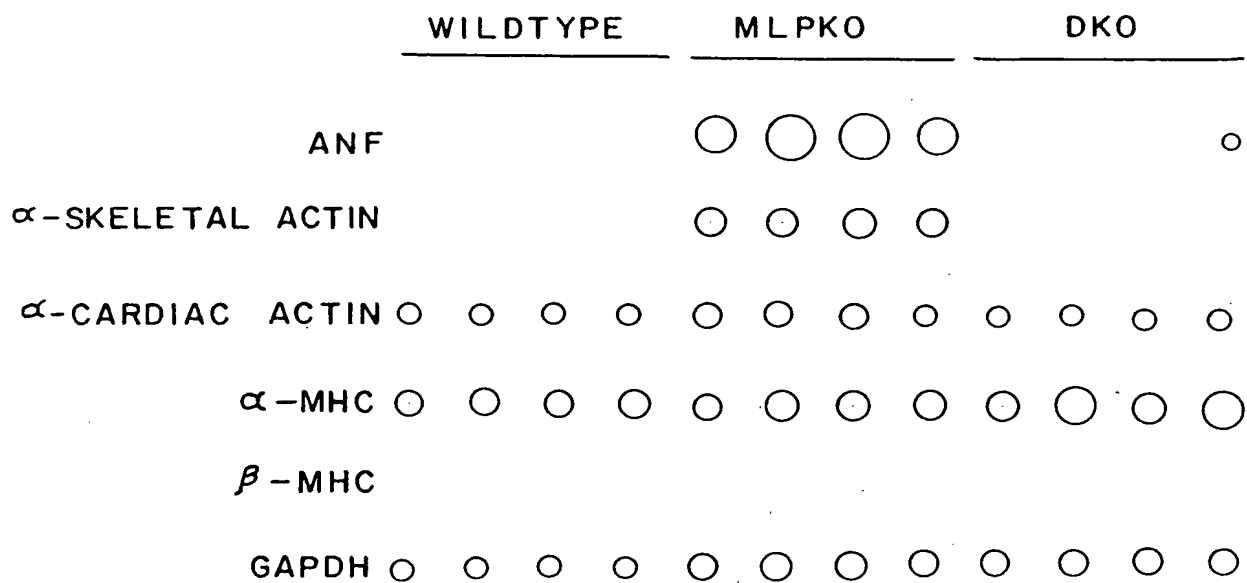


FIG. 4a

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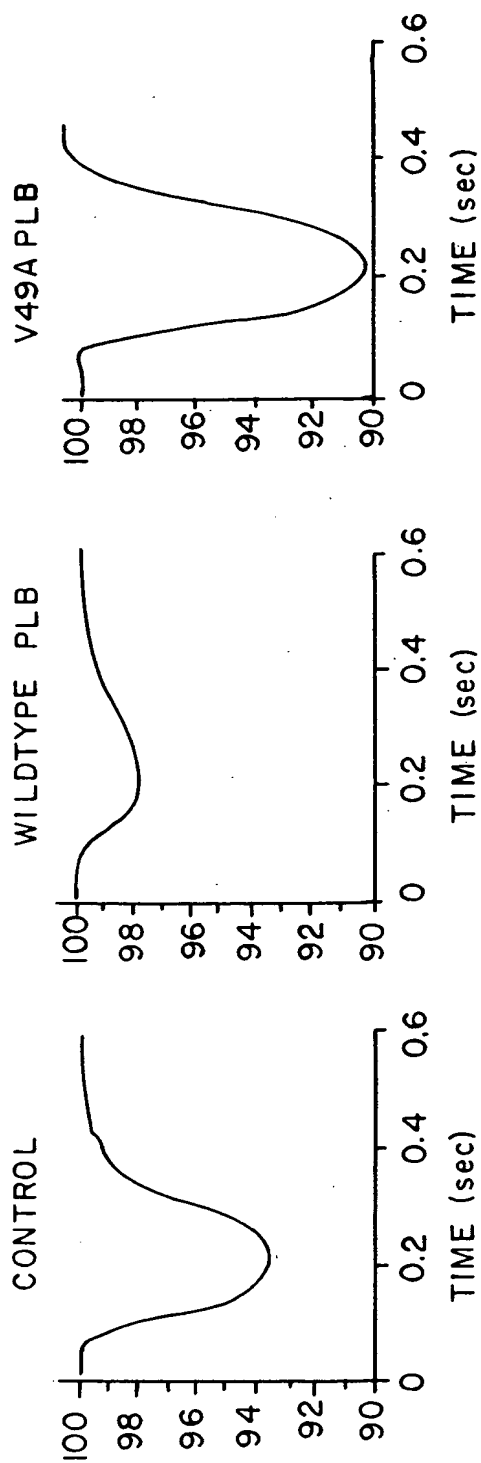


FIG. 5a

	CONTROL n = 7	WILDTYPE PLB n = 3	V49A MUTANT PLB n = 4
SHORTENING %	7.20	0.60	11.45
-dL/dt (mm)	88.4	10.3	150.3
+dL/dt (mm)	56.6	6.5	116.5
CELL LENGTH(μm)	104.5	3.1	108.7
			3.3

FIG. 5b

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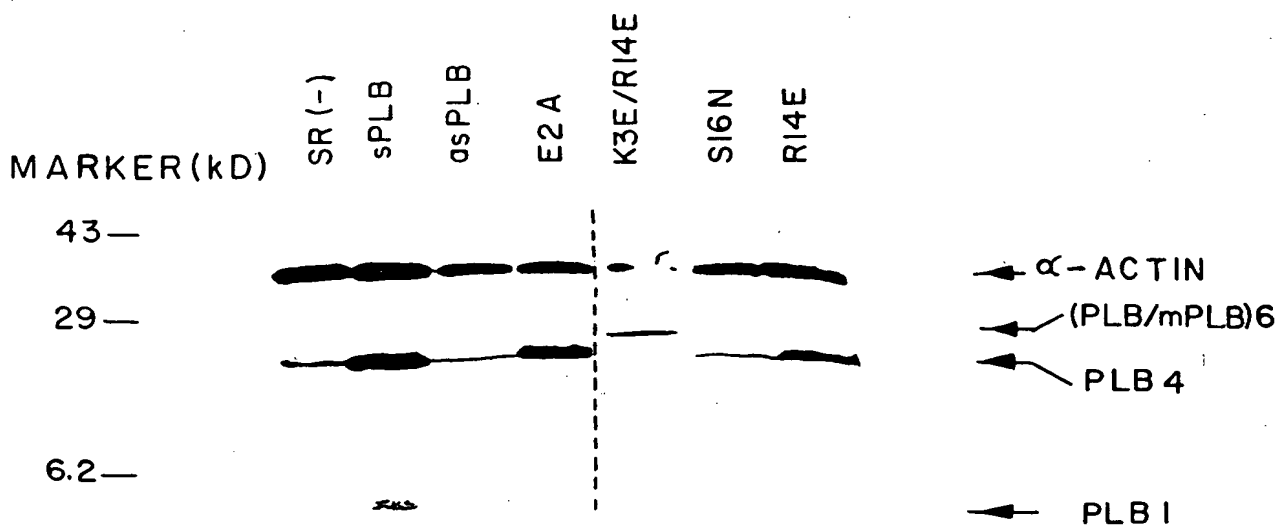


FIG. 6a

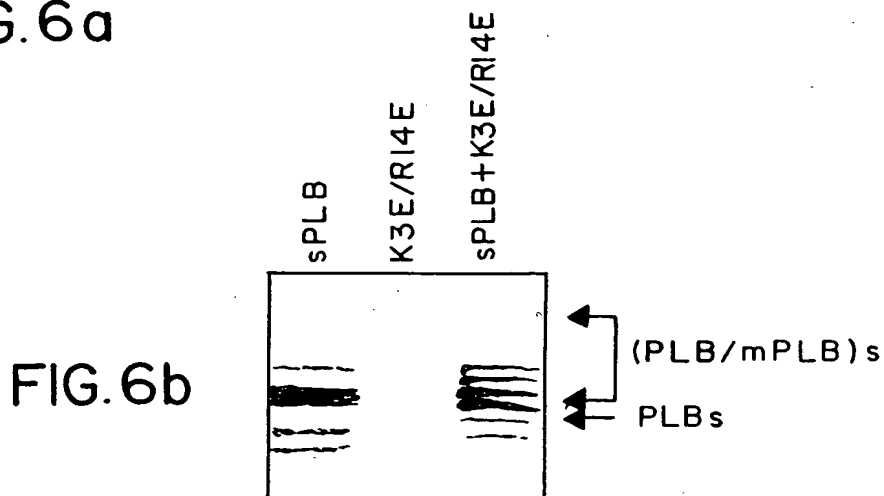


FIG. 6b

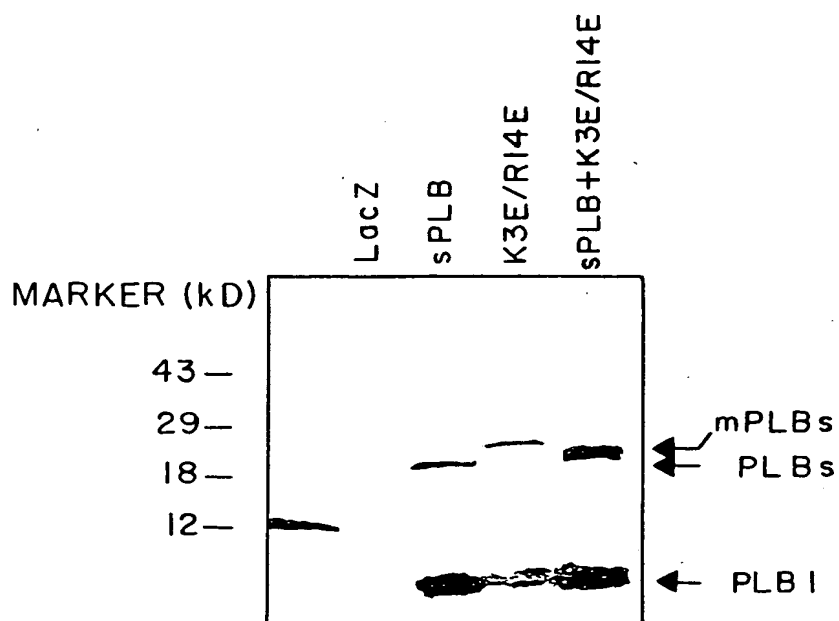


FIG. 6c



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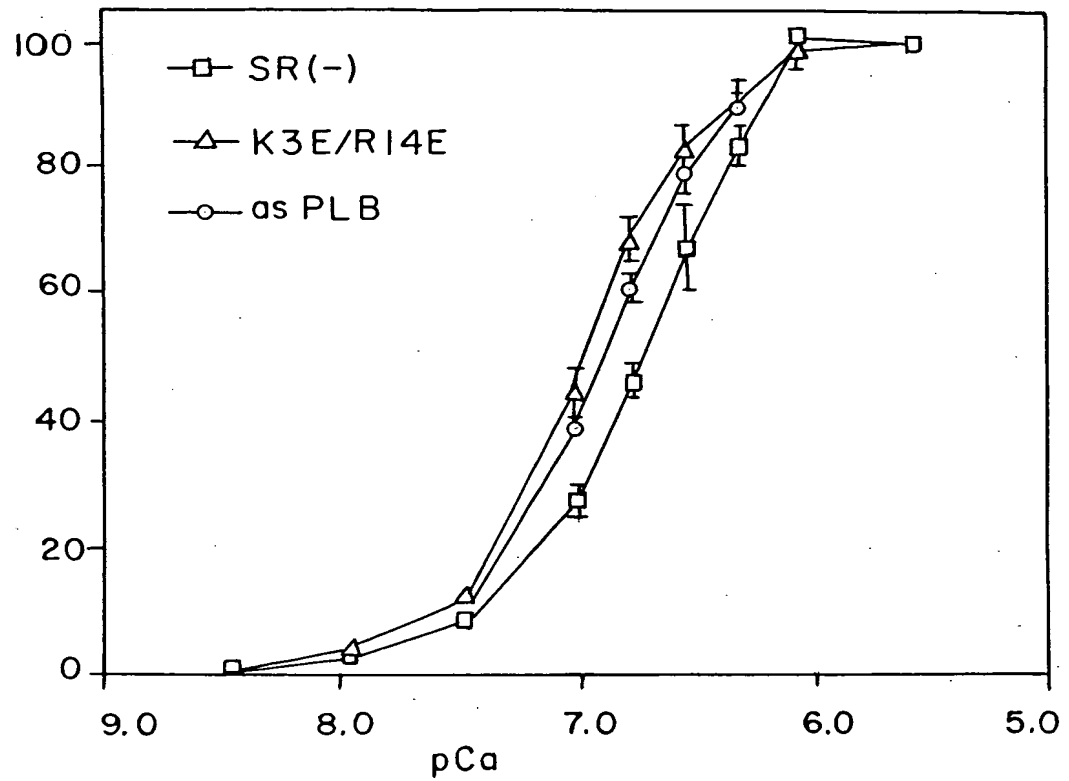


FIG. 7

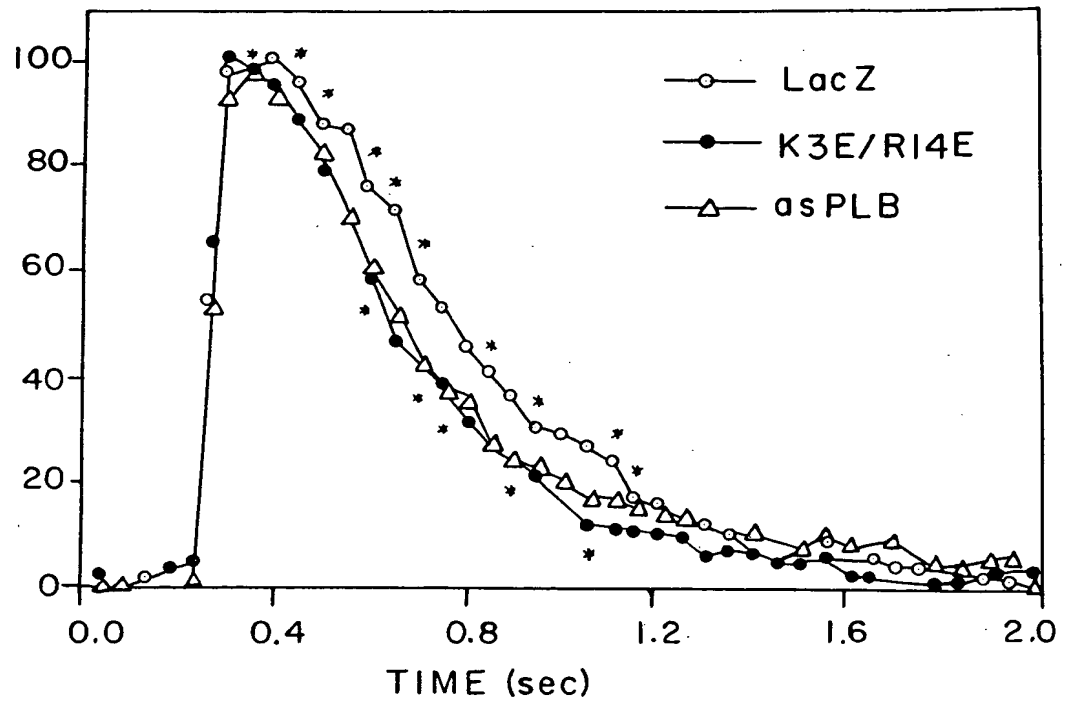


FIG. 8